

COAL AGE

With Which Is Consolidated
The "Colliery Engineer" and "Mines and Minerals"

INDEX TO VOLUME 50

January to December, 1945

NOTE—The articles and references in this index have been classified under leading subjects or topics, as far as practicable, and should be sought under such heads, which, together with all unclassified matter, are arranged alphabetically. Illustrated articles, or cuts standing by themselves are indicated by an asterisk (*). The subject matter of editorials will be found classified under the subject with which they deal and marked (e). Many titles of articles are abbreviated, the aim being to give prominence to important words.

A

Accidents

- Accident reduction management's job, Oct. 154
- Blood plasma used in mine injury case, Apr. 142
- Halving the accident rates by 1950 (e), Apr. 85
- Mine collapse kills 5, Apr. 140
- Monthly fatalities.....Jan. 132, Feb. 180, Mar. 162, Apr. 174, May 170, June 174, July 158, Sept. 170, Oct. 176, Nov. 170, Dec. 188
- More coal mined in 1944 with fewer accidents, W. W. Adams, Feb. 107
- 9 die in gassy mine, Feb. 172
- U. S. coal-mine fatalities in 1944 by states and months, Mar. 162
- Utah blast kills 23, June. 164
- Accounting—Machine methods promote efficiency in mine accounting, J. C. McNeil, Nov. *109
- Monthly cost data made more usable in consolidated report, J. C. McNeil, July *104
- American By-Product Coke Institute formed, Mar. 156
- American Institute of Mechanical Engineers, Central Appalachian Section meeting, Sept. *144

American Institute of Mining & Metallurgical Engineers

- Anthracite engineers cite silt progress, June 148
- Anthracite Section meets, Dec. 164
- Central Appalachian Section meeting, June 138
- Pennsylvania Anthracite Section meets, Aug. 148
- American Mining Congress—Coal Division meeting, Jan. 124
- American Society of Mechanical Engineers—Fuels session, Oct. 149
- Joint Fuels Conference, Oct. 164

Anthracite

- Anthracite prepares for tomorrow, June. *86
- Bootleg mining continues decline, May. 140
- Change in pea specifications, Dec. 157
- Lewis urges increase in anthracite output, Oct. 140
- Monthly production.....Jan. 140, Feb. 150, Mar. 128, Apr. 150, May 140, June 144, July 132, Aug. 140, Sept. 140, Oct. 144, Nov. 140, Dec. 144
- New loading and transporting units for anthracite mining, Sept. *109
- Operators urge miners to boost output, Nov. 146
- Power company plans new anthracite plant, Oct. 162
- Production 1940-1944 (charts), Feb. 87
- Rejects plea to halt mine caves, June. 138
- Strike settled with pay raise, June. 137
- Strike vote asked in anthracite, Apr. 146
- Walkout closes mines, May 1, May. 136
- WLB approves anthracite pact; prices raised \$1 on domestic sizes, July. 136
- Anthracite industries—Foresees continued call for anthracite, Dec. 143
- Atomic power—Anthracite used in making atomic bomb, Sept. 158
- Atomic for coal? (e), Sept. 81

Awards

- "Coal-for-Victory" awards Jan. 70, Mar. *68, Apr. 142, May *132, June *149, July 100a, Aug. *138, Sept. *102

- Fifty mines win 1945 "Coal-for-Victory" awards, Dec. *92

B

Battelle Memorial Institute

- Eye protection of industrial workmen to be studied, June. 142
- Fuels Division and Bituminous Coal Research outline research, Aug. 156
- Water-gas generator to be studied, Sept. 148
- Big Sandy-Elkhorn Mining Institute—First aid contest, Nov. *144
- Bin signal solves manpower problem, May. *124

Bituminous Coal

- Bituminous coal operators and United Mine Workers of America sign contract, May 129
- Bureau of Mines studies loading and conveying machines for output per man, Young & Anderson (tables), June 101
- Ceiling boost denial protested in Colorado, June 142
- Ceiling price increases for producers, Sept. 142
- Commission may study post-war prospects, May. 142
- Consumption by months.....Jan. 140, Feb. 150, Mar. 128, Apr. 150, May 140, June 144, July 132, Aug. 140, Sept. 140, Oct. 144, Nov. 140, Dec. 144
- Exports of high level, Dec. 188
- Locks returns 72 seized mines, Mar. 134
- Portal-to-portal case rehearing denied, July 140
- Production by months.....Jan. 140, Feb. 150, Mar. 128, Apr. 150, May 140, June 144, July 132, Aug. 140, Sept. 140, Oct. 144, Nov. 140, Dec. 140
- Production 1940-1944 (charts), Feb. 87
- SFA lifts restrictions to facilitate output, May 138
- Stocks by months.....Jan. 140, Feb. 150, Mar. 128, Apr. 150, May 140, June 144, July 132, Aug. 140, Sept. 140, Oct. 144, Nov. 140, Dec. 144
- Wage contract extended 30 days; WLB takes jurisdiction in case, Apr. *133

Bituminous Coal Institute

- Advisory committee appointed, Dec. 164
- Film shows human side of coal, Feb. 150
- New promotion launched, Oct. 146
- Synthetic products displayed, Feb. 172

Bituminous Coal Research, Inc.

- Locomotive research to be directed by Yellott, June 150
- Meeting with Fuels Div. of Battelle Memorial Institute, Aug. 156
- Steam locomotive research under way, Feb. 160

Blasting

- Colorado bill introduced to limit blasting, Feb. 178
- Deflagrating vs. detonating explosives, Aug. 120
- Double drill unit mounted on tractor, Sept. *132
- Dummy-making time shortened, Apr. *130
- General License covers explosives, Nov. 154
- New rules cover explosive use, Jan. 117
- Portable powder boxes made with brick walls, July 126
- Preventing premature blasts in electrical firing, J. V. Mather, Mar. *112
- Repairing blasting machines, Nov. *134

- Safer detonator circuit suggested, June. *132
- Briquetting—Plants ready to start, Dec. 158
- British Columbia—Amendment of Coal Mines Regulations Act sought, Mar. 146

Bureau of Mines

- Budget estimates, Feb. 166
- Committee to study anthracite, Dec. 160
- General license covers explosives, Nov. 154
- Permissible equipment plates issued, Jan. 148, Feb. 158, Mar. 154, Apr. 152, May 144, June 160, July 156, Aug. 166, Sept. 156, Oct. 146, Nov. 158, Dec. 176
- Road contract let for synthetic fuel plant, Sept. 156
- To push experiments with synthetic fuel, Dec. 143

C

Canada

- Accident rate cut in Drumheller, July. 142
- Asked to drop anthracite duty, Nov. 160
- Quebec receiving U. S. anthracite, Jan. 158
- Uncertainty reigns over coal supply, Oct. 168
- Wage advance in Eastern Canada is refused, Feb. 165
- China—Pierce to undertake mining mission, Nov. 141

Coal

- All-time production record parallels heavier demand, Feb. *96
- Blame OPA prices for curtailed operation, July. 134
- "Cheap coal" (e), July. 77
- Coal in Europe: serious shortage reflects production lag, C. J. Potter, Oct. *102
- Combined Production and Resources Board warns of coal dearth even when war ends, May. 146
- District 8 operators and legislators move to increase coal supply, Aug. 137
- Further cuts seen as coal stocks wane, Mar. 124, Aug. 144
- Gasification: coal's chance at an 80-million-ton market, Nov. *82
- Lewis, John L.—the real meaning of John L. Lewis' demands, Mar. following p. 82
- Planning for progress in coal mining, Sept. 82
- Seven war years in coal mining, Sept. 85
- Trial by war, (e), Feb. 85
- War mobilization and Reconstruction curbs coal uses to meet supply, Feb. 141

Coal Age

- Historical summary, Jan. 136
- Major Lambur returns to Coal Age staff, Nov. *146
- Sutphen returns to Bergen Record, Sept. *148
- Coal Exporters Association chartered, Oct. 172
- "Coal-for-Victory" awards
Mines win awards, Jan. 70, Mar. *68, Apr. 142, May *132, June *149, July 100a, Aug. *138, Sept. 102, Dec. *92
- Coal Mining Institute of America
Election of officers, Jan. 138
- Report of meeting, Jan. 134
- Coal Producers Association
Election of officers, Oct. 172
- Compressed air layout anticipates future demands, Williams & Smith, Aug. *106

Conveyors

- Belt and chain conveyors with self-propelled drives at Turner mine, M. J. Reed, Jan. *92

Ja-Je 1945

Belts and shuttle cars raise efficiency at Bolair, J. H. Edwards, Aug.	*95
Belt system serves North Diamond shuttle-car mine, R. R. Richart, Apr.	*112
Dogs and angles on strands protect apron conveyor, Jan.	*114
Rock drill, air and small tank eliminate pump for conveyor section, Nov.	*134
Service for loader productivity (charts), May.	86
Shakers at Stone operated to eliminate handling of bone, T. H. Booth, June.	*108
Shakers and belts permit Ross-vein mining at Westmoreland, R. R. Richart, July.	*96
Shaker conveyors to be used to develop No. 28 mine of Diamond Coal, J. H. Edwards, Jan.	*71
Shakers and scrapers meet Loree mining, man-power problems, R. R. Richart, Apr.	*101
Cumberland Valley Mining Institute—Meeting, Oct.	154

D

Drainage	
Choice and cleaning of mine-water pipes, Aug.	120
Low-water indication stops pump, Feb.	*134
Special pipe solves bad water condition, Aug.	128
Water handling with less labor (charts), May.	101
Drumheller Coal Operators Association—Accident rate cut, July.	42

E

Electricity	
Bin signal solves manpower problem, May.	*124
Borehole cable supported by two steel cables, Dec.	*136
Coils with laminated terminals put on old motors, Nov.	*130
Dynamic braking cuts larry car brake-shoe replacements, Jan.	*80
Electric cable for mining use, Oct.	158
Electronic relay signals fan trouble, Dec.	*138
Examination for bituminous mine electrician, Penna., Mar. 108, Apr.	*122
Fan change-over time cut 80 percent, Mar.	*118
Feeder belts electrically interlocked to prevent overloading belt collecting from them, Apr.	*128
Good face voltage assures efficient production at low cost, R. R. Richart, Apr.	*106
Good grounding protects men and equipment in mining, P. M. Barlow, Jan.	*94
Haulage-locomotive operation improved by better controls, B. Woodward, Jan.	*85
How to clean electric motors, windings and insulation, D. L. Gibson, Oct.	*111
Lamp batteries repaired at central shop, Dec.	*132
Locomotives—coil springs and padded plates keep interpoles snug, Dec.	*128
Locomotives resistances rebuilt with stainless steel, Dec.	*132
Low-water indication stops pump, Feb.	*134
Maintenance for more efficient coal preparation, F. W.	*101
Paint aids motor installation, July.	*120
Preventing premature blasts in electrical firing, J. V. Mather, Mar.	*112
Protecting bearings against wear induced by shaft currents, D. H. Hoover, Aug.	*115
Pushbutton controlled switches protect hoist and car sprayer, Mar.	116
Rectifier installation supplies power for larry train carrying refuse at Oak Hill, R. R. Richart, Nov.	*103
Shuttle-car battery boosted while working, Oct.	*124
Tester speeds electrical maintenance, Sept.	*130
Testing insulation strength of electrical equipment, Dec.	*130
32-volt control cures braking trouble, Oct.	*130

Examinations

Bituminous mine electrician, Penna., Mar. 108, Apr.	*122
Bituminous mine foreman, Penna., Apr.	124
Coal Age quiz, Jan. 102, Feb. 130; Sept.	124
Firebosses, Indiana, Feb. 128, June	*124
Foreman quiz, Alabama, Aug. 122, Sept.	116
Foreman quiz, Ohio, Nov.	*120
Foreman quiz, West Virginia, July 116, Aug.	122
Illinois state mine inspectors, Jan. 103, Mar. 108, May 118, June	126
Mine manager, first class, Illinois, July 118, Aug. 124, Sept.	122

F

Face preparation	
Face preparation for efficiency (charts), May.	81
Fireboss examination, Indiana, Feb. 128, June	*124
July.	116

Foremen

Employee relations call for increasingly careful handling, J. J. Foster, Jan.	*76
Examination for bituminous mine foreman, Penna., Apr.	124
Examination for mine foremen, Alabama, Aug. 122, Sept. 122, Oct. 120, Nov.	120
Examination for mine foremen, Ohio, Nov.	122
Examination for mine foremen, West Virginia, July 116, Aug.	122
Grievance machinery for foremen urged, Mar.	138
NLRB permits foremen to organize, Apr.	146
Union for foremen (e), June.	85

France

U. S. Mine apparatus to be bought, Jan.	117
--	-----

Freight Rates

Anthracite rates cut to tidewater piers to New Jersey, Nov.	144
I.C.C. cuts rates to Youngstown, Nov.	146
Kentucky freight rates upheld by I.C.C., June.	142
Proposes rate cut in Tidewater case, Feb.	178
Rail rate increase again postponed, Jan.	117
Rate advance, Dec.	169
Suspension of rates to continue, Sept.	154
West Kentucky coal rate cut is attacked, May.	152

Fuel

Big Inch and Little Inch pipelines up for purchase, Oct. 170, Dec.	143
Bureau of Mines to push experiments with synthetic fuel, Dec.	143
Distillate oil demand causes concern, Dec.	150
Gas turbines coal's new railroad fuel opportunity, J. I. Yellott, Aug.	*113
Gasification: coal's chance at an 80-million-ton market, Nov.	*82
Iowa home owners prefer coal heat, Oct.	174
May be bitter fight over U. S. pipelines, Nov.	156
Oil freed for civilian use, Sept.	140
Petroleum synthesis process announced, Feb.	174
SFA program for new fuel year stiffens control as supply wanes, Apr.	138
Work starts on plant for synthetic fuels, Feb.	142

G

Germany

Coal planer developed in German mines, Nov.	150
Karl Alexander coal mine worked for the allies, Mar.	*126
Mining in Europe: wartime coal production and utilization, H. F. Yancey, Dec.	*115
Synthetic fuel plants, July.	140

Great Britain

Coal control plan for New South Wales, Nov.	150
Coal nationalization planned, Sept.	137
Coal picture still difficult, Feb.	152
Manpower dominates coal industry, Dec.	152
Nationalization of mines next year, Oct.	140
Nationalizing barred in British report, Apr.	148

H

Hydro-electric Projects

Anti-St. Lawrence drive organized, Aug.	146
Missouri Valley Authority hearings under way, Oct.	156
Missouri Valley Authority meets another setback, Nov.	158
Missouri Valley Authority rejected by Senate Committee, June	166
Pennsylvania will take over Schuylkill Dams, July.	148
St. Lawrence project hearing postponed, Jan.	117
St. Lawrence project introduced again, Feb.	146

I

Illinois Coal Preparation Engineers & Chemists—Railroad locomotive coal specifications discussed, June	160
Illinois Mining Institute	
Election of officers, Dec.	148
Report of meeting, Dec.	146
Illinois Society of Preparation Engineers & Chemists—Fuel problems at meeting, Apr.	154
Inspection	
Illinois state mine inspectors examination, Jan. 104, Mar. 108, May 118, June	126
Pennsylvania inspection bill signed; cave-in measure blocked, May.	162
Insurance—Pennsylvania insurance rate cut, Jan.	155

K

Kentucky Mining Institute	
Election of officers, Jan.	122
Report of meeting, Jan.	*118
Report of meeting, Oct.	166

TECHNOLOGY

L

Labor

Absenteeism sets new record, Feb.	88
Anthracite mines had 78,145 men in 1944, May.	164
Anthracite strike settled with pay raise, June.	137
Anthracite walkout closes mines, May 1, Apr. 146, May.	136
Better utilization of mining manpower (charts), May.	74
Bill presented to prohibit royalty payments, Apr.	150
Bituminous contract agreed on; some work stoppages continue, May.	129
Can coal mining guarantee annual wages? Given & Sutphen (charts), Aug.	86
Checking men in speeded by special facilities at Summit, July.	101
Compensation denied striking foremen, Nov.	144
Contract negotiation: problem and opportunity for coal, I. A. Given, Feb.	*92
Contract observance (e), June.	82
Deferment of vital men under 30 allowed, Mar.	128
District 8 operators move to increase coal supply, Aug.	137
District 50 seeks certification for men, Aug.	142
Draft of men under 30 is eased, Apr.	162
Drive to unionize mine supervisors marked by Lewis strike threat, Oct.	139
Employee relations call for increasingly careful handling, J. J. Foster, Jan.	*76
Getting cooperation: how management can proceed, Dec.	89
Grievance machinery for foremen urged, Mar.	138
Hearings concludes by WLB panel, Feb.	160
Helping coal's veterans get a new start, July.	*78
Holiday wage claims in dispute, Oct.	152
How to gain miner cooperation, Whiting Williams, Dec.	*88
Illinois joint board adjudicates disputes, Sept.	148
Job Relations Training course used by 40 coal companies, May.	140
Labor law revised in new Senate bill, July.	131
Lewis calls off supervisory strike until more appropriate date, Nov.	139
Lewis demands 10c coal royalty; files notice of wage dispute, Mar.	123
Lewis, John L.—the real meaning of John L. Lewis demands, Mar. following p.	82
Limits announced on "fringe" awards, Apr.	166
Loss of opportunity for advancing cooperation between miner and operator (e), Apr.	85
Manpower efficiency (e), May.	78
Manpower leading 1945 coal problem (charts), Feb.	111
Manpower opportunities, May.	131
Maritime pact effects 2-year peace, Dec.	168
Miners to be allowed more meat, Aug.	140
Mining taught in West Virginia vocational schools, S. T. DeJournet, Apr.	*97
National Bituminous Coal Wage Conference committee hold meetings, Aug.	146
Nova Scotia coal prices increased to boost miners' pay, Sept.	169
Pennsylvania Coal Co. sets up employer-management forum, Mar.	146
Pennsylvania miner makes record of loading 17 tons daily, Mar.	140
Pittsburgh Coal trains supervisors to help them in their work, R. E. Charlter, Apr.	*88
Planning for progress in coal mining, Sept.	85
Portal-to-portal pay to be reviewed by Supreme Court, Feb. 170, Apr.	152
Portal-to-portal pay upheld by Supreme Court, June.	144
Portal-to-portal case rehearing denied, July.	140
Progressive pact wins NWLB approval, June.	146
Reemployment of veterans, June.	148
Ruling favors union on holiday question, Nov.	156
Selective Service outlines procedure for carrying out selection of men in 26-29 group, Feb.	165
Strikes and new seizures mark government and labor relations, Feb.	98
Strike of foremen in West Virginia, June.	146
Unionization of mine supervisors (e), Nov.	81
Wage-hour hearings start in Senate, Oct.	166
WLB approves anthracite pact; prices raised \$1 on domestic sizes, July.	130
WLB gains power on "fringe" awards, Mar.	148
War Manpower Commission lifts controls as war ends, Sept.	140
WLB demobilization proceeds steadily, Oct.	146

Law and Legislation

Amended version of Labor Disputes Act reported favorably, Dec.	148
Anti-subsidence bill reaches Pennsylvania House, Mar.	140
Cave-in bill, Feb.	148
Federal statute of limitations urged, July.	134

Gwynne bill reported in House, Nov.	158
Illinois coal test program, Aug.	146
Labor law revised in new Senate bill, July	131
Ohio governor to push strip mining area restoration, Mar.	144
Ohio House rejects strip-mine measure, July	132
Rejects plea to halt mine caves, June	138
Testimony on federal statute of limitations, Aug.	162
West Virginia has new strip law, May	

M

Maintenance

Air compressor's water kept from freezing by draining, Mar.	*120
Air-driven tools occupy special rack, Oct.	*136
Air hoist helps cage rails and timbers, Apr.	*126
Blasting machines repaired periodically, Nov.	*134
Borehole cleaning with pipe cleaner, Feb.	*132
Boring rig speeds repairs to strip shovel, May	*122
Car tale jig saves time and promotes accuracy, Nov.	*133
Cables with laminated terminals put on old motors, Nov.	*130
Continuous cable testing with gadget, Feb.	*138
Cutting cost in anthracite preparation maintenance, J. S. Johnson, Mar.	*83
Cutting flame tempers chain link, Nov.	*128
Drill press with three speeds and cooling, Sept.	*134
Drill repairs made on test bench, Apr.	*130
Drilling equipment made stronger, Dec.	*128
Gage measures pressure in air hose, Oct.	*128
Grease cup in safer location, Mar.	*116
Guides oiled automatically, Mar.	116
Hydraulic ram plays big role in shops, Nov.	*130
Inclined hoists replace jacks, June	*134
Labeling crane controls saves confusion, Nov.	*133
Lave center for lathe made from bearings, June	*134
Loader greasing changed by moving fittings, Nov.	*136
Loading machine roller rebuilt, Dec.	*134
Lubrication features Illinois meeting, Nov.	148
Maintenance to conserve manpower (organization chart), May	94
Metal inserts hold center marks, June	*130
Modern machine tools promote efficiency, Aug.	*134
Modern shops meet maintenance need at Union Pacific, Nov.	*97
Motorized brush cleans boiler-flue caps, May	124
No waste space in oil house at Bolair, Aug.	*126
Paint aids motor installation, July	*120
Plus hold split gears central, Sept.	*134
Pit cover moved off in one piece, July	*122
Portable metal saw roams machine shop, July	*120
Power washer for shop uses discarded parts, July	*128
Preparation plant maintenance and repair, F. W. Richart, pt. I, Oct.	*105
pt. 2, Nov.	*90, pt. 3, Dec.
Protecting bearings against wear induced by shaft currents, D. B. Hoover, Aug.	*115
Restoring pump rods cuts maintenance, Apr.	*126
Scored air-breaker tube walls refinished, Aug.	*126
Scrap steel improves swivel jack, Oct.	*136
Setting up maintenance for maximum preparation results, F. W. Richart, Aug.	*108
Straightening shuttle-car fenders easily done, July	*124
Synthetic tire and tube maintenance, L. H. Taylor, Sept.	*104
Tenon machine makes better car braces, June	*130
Tire casings repairs in place, Jan.	*106
Tires turned simultaneously, Dec.	*136
Universal holder for boring mill saves time and tools, Dec.	*140
Wooden car sills turned out by special machine, June	*132
Wrench eases locomotive work, Jan.	*108
Wrench tightens clamps under guards, Jan.	*112

Management

Drive to unionize mine supervisors marked by Lewis strike threat, Oct.	139
Examination for mine manager, first class, Illinois, July	*118, Aug. 124, Sept.
Getting cooperation: how management can proceed, Dec.	89
Helping coal's veterans get a new start, July	*78
Lewis, John L.—the real meaning of John L. Lewis' demands, Mar. following	82
Managing first (re), Dec.	85
Put in Coal trains supervisors to help men in their work, R. E. Chart, Apr.	*86

Mechanization

Belt and chain conveyors with self-propelled drives at Turner mine, M. J. Reed, Jan.	*92
Belt system serves North Diamond shuttle-car mine, R. R. Richart, Apr.	*112
Big cars complete modernization of Blaine mine, Sept.	*114
CC rating for coal equipment, Feb.	148
Designing a mine for maximum efficiency in production, J. H. Dickerson, Feb.	*121
Freeman modernizes to convert from hand loading to mechanization, F. W. Richart, June	*112
Loader output increased by shuttle-cars in crosspitch places, Nyman & Hyatt, June	*93
Loader performance improved by better hinge bolt, Dec.	*138
Loader—sectionalizing hydraulic lines a saving, May	122
Loaders—service for loader productivity, (charts), May	86
Loader tonnage at Norton Mine is boosted by prefabricated track, Lindsay Cobb, Jan.	*89
Loading and conveying machines studied by Bureau of Mines for tons per man, Young & Anderson (tables), June	101
Machine loading—taking top and coal raises entry output, J. H. Edwards, Oct.	*88
Machine methods raise efficiency (charts), May	78
More coal, more tons per man (charts), May	81
New Republic mine in Kentucky planned for complete mechanical operation, J. H. Edwards, July	*86
Power use in hand loading and mechanical mining, J. C. Cree, Jan.	79
Sales of mechanical loading and cleaning equipment, Young & Anderson (tables), Feb.	104
Shakers and scrapers meet Lorce mining, manpower problems, R. R. Richart, Apr.	*101
Walls equipped with loading machines delivering to conveyors cut top trouble, J. H. Edwards, Dec.	*107

Merchandising

Answer no. 1, (see), Oct.	81
Anthracite prepares for tomorrow, June	*86
Blaw-Knox Co. opens new plant for packaged fuel, June	144
Coal exposition to be held in Chicago, Nov.	154
Department store to sell stokers, Oct.	162
Key to more business for coal: better merchandising, Oct.	*82
Packaged fuel sale begun in Philadelphia, Mar.	138
Planning for progress in coal mining, Sept.	85
Reinforcement for sales agencies, Jan.	68
Methane—Given enough heat methane always burns, Apr.	120
Percentages of methane increase difficulty of controlling coal dust, Dec.	*120

Mining Electrical Group

Importance of balancing parts discussed at meeting, June	118
Meeting, Apr.	160
Meeting discusses lubrication, Nov.	148
Mining Electrical Group of Southern Illinois Report of meeting, Dec.	154

Mining Methods

Anthracite applications for new loading and transporting units, Sept.	*109
Designing a mine for maximum efficiency in production, J. H. Dickerson, Feb.	*121
Diamond 2B mine is built around previous conveyor success, J. H. Edwards, Jan.	*71
Higher efficiency the goal in mining improvements, Feb.	*100
Machine loading—taking top and coal raises entry output, J. H. Edwards, Oct.	*88
Republic mine, Kentucky, planned for complete mechanical operation and pillar recovery, J. H. Edwards, July	*86
Shakers and belts permit Ross-vein mining at Westmoreland, R. R. Richart, July	*96
Walls equipped with loading machines delivering to conveyors cut top trouble, J. H. Edwards, Dec.	*107
What to watch in exploring old works, June	*120

N

National Bituminous Coal Commission—Bills provide for commission, Feb.	142
National Coal Association meets, Oct.	164
Executive Committee meets, Dec.	169

Natural Gas

F. P. C. sets hearing for pipeline, Aug.	164
F. P. C. sets hearings in probe, Aug.	146
F. P. C. to hold hearings on gas lines, Dec.	144
Gas case taken to Supreme Court, July	144
Gas pipeline sold by Chicago Corp., Oct.	146
Louisiana governor objects to gas in roads, Dec.	144
Natural gas investigation in Oklahoma City, Nov.	162

Oklahoma to Michigan gas line permit asked, Mar.	136
Senator seeks probe of industry, Feb.	176
Texas-Michigan gas line proposed, Nov.	144
Texas-Ohio gas line proposed, Apr.	142
Wisconsin interested in natural gas, Oct.	160
Netherlands—Mining in Europe: wartime coal production and utilization, H. F. Yancey, Dec.	*115
Nova Scotia—Prices of coal increased to boost miners' pay, Sept.	160

O

Office of Synthetic Fuels—Oil-Shale Mining Div. set up, July	140
Oil-shale plant site selected, Mar.	142

P

Packer colliery turned over to Tony Rose, May	164
---	-----

Personal

Addy, Geo. L., Dec.	174
Agee, E. B., July	142
Amick, W. H., Dec.	172
Arnett, L. L., July	142
Auer, John L., Mar. 152, Oct.	150
Barnes, John P., Oct.	150
Beane, Thomas M., July	142
Beattie, H. L., Sept.	154
Beers, Harold M., July	142
Bennett, M. W., Dec.	176
Booth, T. H., Feb.	158
Bowers, Lt. Col. J. A., Dec.	174
Boxley, A. P., Nov.	150
Boynton, Byron A., Oct.	150
Bryant, W. D., Oct.	152
Buchanan, D. W., June	156
Buckley, Fred D., May	152
Campbell, L. C., Nov.	150
Carr, E. L., Sept.	152
Cassel, Byron C., Sept.	152
Clay, M. K., Oct.	150
Close, Wallace, Aug.	154
Clouse, John D., Oct.	154
Cohn, Harry E., Apr.	152
Colquhoun, Alex., May	164
Conover, James, Nov.	152
Conrad, Olen, Jan.	144
Cooper, John D., Mar.	150
Copher, H. L., Aug.	152
Corgan, Joseph A., Mar.	150
Cosslett, David L., May	148
Crawford, John W., Jan. 144, Oct.	150
Crews, Garrett, July 142, Sept.	150
Crichton, A. B., July	142
Cross, N. E., Oct.	152
Davis, Ira F., Sept.	154
Davis, J. O., Nov.	152
Davis, W. E., Nov.	152
Day, T. A., July	*142
Degrosky, Peter, Apr.	164
Delany, J. H., June	*154
Denny, Mark, Apr.	154
Dent, John K., June	154
Diamond, William F., Dec.	172
Dick, George B., Sept.	154
Dierks, H. A., June	154
Dobbs, Sydney A., Aug.	154
Douglass, R. L., June	154
Duemer, Robert F., Jan.	146
Dukes, John C., May	150
Duncan, Quincy, May	152
Durham, Wilby M., Oct.	152
Erickson, Edward A., May	150
Ferguson, T. G., Sept.	154
Fitzgerald, Joe W., Oct.	152
Fitzpatrick, William, Dec.	172
Flippen, C. J., May	150
Ford, Leonard C., Dec.	176
Fuller, J. W., Oct.	152
Grant, Alex., May	*150
Griffith, H. J., Dec.	176
Gwyn, Edward D., Oct.	152
Harvey, Stanley C., June	154
Harvey, Stanley C., July	142
Hawley, W. D., Dec.	174
Heien, Fred, Sept.	150
Herder, Howard A., Aug.	154
Hillman, Ernest, Dec.	174
Howard, Noah D., Mar.	150
Howe, Jno. W., Aug.	154
Ireland, James D., Feb.	156
Ivill, William L., Apr.	164
Jenkins, G. S., June	154
Johnson, Edwin H., Jan.	152
Johnson, J. E., Nov.	152
Jones, David W., Dec.	176
Jones, Capt. Harold M., Dec.	174
Jones, John H., May	150
Jones, S. A., July	142
Judd, Orville D., Oct.	150
Keer, Eugene J., Aug.	156
Keith, Charles C., Apr.	162
Kelley, H. J., June	156
Kellum, Clyde S., May	152
Kennedy, Joseph, Nov.	150
Kerr, Marcus, Sept.	152
Kmetz, Thomas, Apr.	164
Knill, R. R., Feb.	156
Knoizen, Arthur S., Nov.	150
Knoizen, Arthur S., Mar.	150
Knoizen, A. S., Jan.	*117
Koenig, Col. Robert P., Aug. 154, Sept. 152, Oct.	151
Koper, Fred G., Feb.	154
Krausman, A., Oct.	150
Lakin, Lt. C. B., Dec.	174

Lambie, W. K., Sept.	150
Lang, C. B., July	142
Lawall, Charles E., Sept.	154
Lawson, Claude S., Oct.	151
Lazelle, J. C., July	142
Leach, Norman, June	156
Lewis, Arthur H., Feb.	158
Lewis, James, May	159
Lichford, Lewis E., Oct.	159
Lincoln, John J., Oct.	151
Love, George H., Nov.	159
Lutz, Ed., Aug.	154
Lynch, Edward A., Oct.	*159
Lyons, Orville R., Feb.	154
Lyon, L. Thayer, Mar.	159
Lytton, Elwell J., Feb.	154
Mabley, Lt. Col. C. R. Jr., Dec.	174
Maize, Richard, Jan.	146
Maize, Richard, May	154
Maroshek, Frank Jr., July	154
Marshall, Carl, Dec.	176
Mash, George F., Apr.	166
Maurer, Thomas D., Dec.	171
Mayhew, John, Dec.	172
McCabe, Col. Louis C., Nov.	150
McDermott, H. P., Dec.	172
McDonald, H. F., Sept.	152
McKibbin, Geo. B., Jan.	144
McLanders, T. S., June	156
McMillan, Earl R., Aug.	152
Morgan, George, May	148
Morgan, Osborne, Oct.	152
Morgan, Raymond J., Mar.	152
Morris, Gruth, July	142
Morris, Gruth, Feb.	158
Mullins, C. W., Oct.	152
Nairn, Alfred J., Apr.	152
Nicholson, F. C., Mar.	*159
Null, Henry H., Mar.	152
Oldar, Nejad, Apr.	162
Osborne, Fred, Oct.	151
O'Toole, Laurence, June	156
Paresi, Dario, May	152
Patterson, G. M., Dec.	174
Patterson, G. Moss, Oct.	159
Peternell, Frank J., Mar.	152
Pogachanick, Andy, Apr.	164
Polk, Lt. Wm. G. Jr., June	154
Prosser, Fred K., Jan.	144
Pursfull, Sgt. Ernest, May	152
Quick, Earl L., Oct.	152
Raymond, John, Jan.	152
Raymond, John, Jan.	154
Reece, Carl E., June	154
Reed, C. A., Aug.	154
Reppert, James H., Oct.	150
Reynolds, Joseph L., May	148
Ritter, Paul D., Aug.	154
Roberts, Arthur, Dec.	176
Rogers, B. M., Oct.	152
Ruane, Joseph P., Nov.	150
Rumpf, Ernest F., Mar.	159
Salvati, Raymond E., Apr.	162
Sawyer, Leslie E., Jan.	146
Schmidt, Henry G., July	142
Schull, B. H., July	*142
Schultz, Robert J., May	159
Scott, C. G., Oct.	152
Scott, R. C., Oct.	152
Sellards, W. E., Feb.	158
Shagley, Earl, Feb.	156
Shaw, E. H., Nov.	152
Sheppard, John E., Jan.	144
Short, Cleophus, Nov.	150
Sienknecht, W. H., Dec.	172
Sizemore, David C., Dec.	172
Skinner, John A., Apr.	164
Skinner, Roger S., Sept.	152
Smart, Robert K., Aug.	154
Smelker, James W., Mar.	150
Smith, Donald N., June	154
Spadt, A. W., Aug.	154
Speed, William S., Feb.	158
Spindler, G. R., Dec.	172
Stanz, John H., Jan.	154
Startz, Alfred, Mar.	152
Stow, Dr. Marcelus, H. Mar.	159
Stras, J. Campbell, Apr.	164
Thatcher, S. H., Nov.	152
Thomas, R. Harry, Dec.	176
Tibbs, Harry M., Dec.	174
Tinsley, William A., May	152
Tyson, James W. 2nd, Jan.	144
Valleau, Thomas G., Feb.	156
Van Buskirk, Arthur B., Mar.	152
Vaughn, Norvin H., June	154
Wall, Hubert H., Jan.	146
Wallace, Maj. G. A., Dec.	174
Walshour, James R., Jan.	144
Ward, George S., June	*158
Wason, Loren, July	142
Wayne, Roger S., Sept.	149
Westerberg, Carl, July	142
Weysser, John L. G., Sept.	*152
Wheeler, Harold R., Apr.	164
Wickey, Harold B., Oct.	154
Wilkins, Cary J., Oct.	159
Williams, Clyde, July	142
Williams, J. P. Jr., Nov.	159
Williams, Stephen, Oct.	151
Woomer, J. W., Aug.	152
Workman, M. L., Nov.	152
Workman, M. L., June	*152
Poachotas Operators' Assn.—"Lighting clinic" is held, Jan.	150
Power Generation	
Electric power output by months, Jan. 149, Feb. 159, Mar. 128, Apr. 159, May 149, June 144, July 132, Aug. 149, Sept. 149, Oct. 144, Nov. 149, Dec.	144
Good face voltage assures efficient production at low cost. R. R. Richart, Apr.	*196
Potomac power project rouses loud protest, May	196

Power for high productivity, May.....	*92
Power use in hand loading and mechanical mining, J. C. Cree, Jan.....	79
Preparation	
Anthracite treated with anti-freeze to facilitate unloading, Feb.....	176
Cutting cost in anthracite preparation maintenance, J. S. Johnson, Mar.....	*83
Design and materials help cut preparation maintenance, F. W. Richart, June.....	*96
Gate in hydro-separator saves coal from refuse, Oct.....	*128
How to weigh for accuracy in mine-scale operation, H. M. Roeser, Feb.....	*114
Loads sprinkled on the fly without waste of water, Feb.....	*119
Maintenance and repair of coal-preparation plants, F. W. Richart pt. 1, Oct., *105, pt. 2, Nov., *99, pt. 3, Dec.....	*10
Modern coal plant may be considered a factory, Mar.....	132
Modern washery supplements stripping at new truck mine, F. W. Richart, Sept.....	*97
New preparation facilities in 1944, Feb.....	102
New preparation facilities, Jan.....	148
Feb. 179, Mar. 154, Apr. 166, May, 138, June 162, July 152, Aug. 150, Sept. 160, Oct. 174, Nov. 150, Dec.....	178
New rock-disposal method saves manpower, May.....	*126
Pond River washes 400 tons per hour, produces 2,000 tons per day, F. W. Richart, Mar.....	*74
Power-driven sprayer used on haulage roads, Sept.....	*128
Preparation with high productivity (charts), May.....	109
Republic mine, Kentucky, uses wet and dry cleaning of coal, J. H. Edwards, July.....	*86
Sale of mechanical loading and cleaning equipment, Young & Anderson (tables), Feb.....	104
Setting up maintenance for maximum preparation results, F. W. Richart, Aug.....	*108
Shakers at Stone operated to eliminate handling of bone, T. H. Booth, June.....	*108
Slurry plant used vibrating screen for dewatering, Mar.....	*95
Super-pulverizing for small anthracite, Nov.....	160
R	
Railroads	
U.C.C. hearings on Va.-Ky. extensions, June.....	152
L & N equipment to be increased, Aug., 148	
Railroads rush to open new Virginia field, Apr.....	152
Refuse disposal—Anti-stream pollution plans approved, Feb.....	172
Larry train solves Oak Hill refuse-disposal problem, R. R. Richart, Nov., *103	
Regulation	
Coiling prices increased for producers, Sept.....	142
Distribution restrictions reduced; feared coal deficit dwindles, Oct.....	141
Pennsylvania files replies to operators' suits, Dec.....	137
Pittsburgh Coal Co. to fight OPA suit, Sept.....	156
Priorities continue, June 148; simplified, Aug. 169; to be revoked, Sept.....	148
Strip mining suits filed in Pennsylvania, Oct.....	154
Research	
Contract let for oil-shale laboratory, May.....	144
Laboratory opened by Indiana group, July.....	132
Lehigh University making roof test research, June.....	144
Oil research centers planned by Standard Oil Co., Sept.....	148
Oregon coals for industrial carbon production to be studied by Oregon State College, Nov.....	167
Planning for progress in coal mining, Sept.....	85
U. S. Bureau of Mines to conduct experiments in West Virginia University, Dec.....	158
University of Kentucky pilot plant now in operation, Aug.....	158
Roof Control	
Blocking steel sets with concrete, Mar., *129	
Blocks season better underground, Sept., *130	
Crossbar better than 50 years' experience, Apr.....	120
Roof test research progresses at Lehigh, June.....	144
Timbering for safety in mechanical mining, Mar.....	*89
S	
Safety	
Accident rate cut in Drumbeller, July.....	112
Analyses of gases escaping from crushed coal bottled in vacuum with relation to coal by volume, Feb.....	112

Carbon-dioxide frost circumvented, H. E. Heigis, Jan.	100
Cave-in measure blocked in Pennsylvania, May	162
Cedar Canon mine leads state in safety, Apr.	142
Checking men in speeded by special facilities at Summit, July	191
Colorado rules for man-trip handling, Apr.	120
Committee in Pennsylvania to study miners' diseases, Nov.	156
Continuous cable testing with gadget, Feb.	178
Cut-off saw made safe, Dec.	132
Detonator circuit improvements suggested, May	132
Drumheller Coal Operators' Assn. to start safety campaign, Jan.	148
Explosion used to control mine fire, Nov.	1
Fire-fighting equipment always ready at Dun Glen, Jan.	114
Fire in nearby working extinguished by using bad air in old roof, Aug.	118
Fires—dying mine fires would create in-credible gages if seals were tight, Sept.	118
Fires—how to combat stopping leaks in sealed area around a mine fire, July	112
Fires—large vs. small sealed areas for extinguishment of mine fires, May	114
Fires—sealing a mine fire in a large or small area, Feb.	121
Frederick mine wins Governor's cup, Sept.	138
Crease cup in safer location, Mar.	116
Haulage safety promoted by logic in eliminating hazards, Dec.	116
Headblock and runaway switch form safety team, Apr.	126
Keep carbon monoxide below 0.01 percent, Oct.	118
Locomotive stops when operative leaves it, Sept.	120
A man hurt is a man off the job, July	114
Measurement of air pressure, Oct.	118
Methane increases the explosibility of coal dust, Dec.	120
Mine fire fought with dry ice, bulldozers and rock dust, J. H. Brussett, Mar.	97
Mine-fire gases with a few of their pertinent characteristics (table), Jan.	192
National Safety Council's "S" award won by Russellton mine, Sept.	138
New rescue station opened in Colorado, June	160
Pit cover moved off in one piece, July	122
Pond-Creek-Tug River Mining Institute contest won by Eastern Coal, Oct.	145
Prepare for action in face of impending disaster, Jan.	10
Preventing premature blasts in electrical firing, J. V. Mather, Mar.	112
Safety lamp mix-ups avoided, June	128
Safety manpower conservation chart, May	165
Sentinels of Safety trophies winners announced, June	163
Sizn in mine, Mar.	116
Sweeping irregular roof free of methane, Oct.	118
Timbering for safety in mechanical mining, Mar.	99
Too much anxiety may injure, not help, May	116
Two ways to stop mine explosions, Jan.	10
Ventilating and mining plan offered to increase safety, Richard MetSee, Oct.	100
What to watch in exploring old works, Aug.	120
Whaling Tugboat Coal men win first-aid contest, Aug.	150
Winter air-conditioning of mines helps prevent coal-dust explosions, Nov.	116
Scales—How to weigh for accuracy in mine-scale operation, H. M. Roessel, Feb.	114
Smoke abatement	
Allegheny moves to end smoke pull, Dec.	188
Coal Producers' Committee for Smoke Abatement to be revived, Nov.	164
How steam-air jet abates engine smoke, Oct.	149
Illinois Central R. R. to halt smoke, July	121
Louisville & Nashville R R to minimize smoke from engines, Feb.	154
P. R. R. to apply jets to eliminate smoke, May	142
Smoke control group to survey Toledo, Dec.	158
Solid Fuels Administration	
American coals can now be sold for export, Sept.	142
Coal situation eases; controls lifted, Nov.	140
Distribution restrictions reduced; feared coal deficit dwindles, Oct.	142
Dr. Potter resigns; SEAW to liquidate, Dec.	164
Higher coal exports possible, Sept.	140
Ikles urges coal shipments to Europe, Aug.	142
More coal controls are lifted, Dec.	170
Program for new fuel, year stiffens control as supply wanes, Apr.	133
Restrictions lifted to facilitate output, May	139
Stabilization of coal stabilization? government's or industry's job? Jan.	139

Stokers and stoves

Anthracite prepares for tomorrow, June,	*86
Bituminous Coal Utilization Committee resumes stoker promotion, Oct.	172
Department store sells stokers, Oct.	162
Distribution controls over heating and cooking equipment removed, Sept.	144
Drive adjustment made easy, Jan.	*112
Large-size stokers enjoy preference, May	162
New anthracite heating unit, Feb.	*99
New smokeless heater fueled once a week, Nov.	148
Sales by months, Jan.	140
150, Mar. 128, Apr. 150, May 140, June 144, July 132, Aug. 140, Sept. 140, Oct. 144, Nov. 140, Dec.	134

stripping and dredging

Alabama strip mine operators must drain strip pits, Oct.	170
Anthracite applications for new loading units, Sept.	109
Engineer obtains strip lease on North Carolina tract, Dec.	160
Five-year trend in strip production by states (table), Aug.	102
Four coals stripped in 25-ft. benches to get 2,200 tons daily, R. R. Richart, Dec.	*96
Indiana strip mines to set 400,000 trees, Apr.	142
Modern washery supplements stripping at new truck mine, F. W. Richart, Sept.	*97
New Maumee stripper to use dragline, May	142
New River stripping under way on Sewell seams outcrop, J. H. Edwards, Feb.	*109
Ohio governor declines to inspect strip-mines, Dec.	159
Ohio governor to push strip mining area restoration, Mar.	144
Ohio House rejects strip-mine measure, July	132
Ohio to plant trees on banks left behind strip-mining operations, Nov.	159
Pennsylvania files replies to operators' suits, Dec.	157
Pennsylvania to regulate strip mining, Feb.	178
Pond River produces 2,000 tons per day of screened coal, F. W. Richart, Mar.	*74
Reforestation in strip mine study requested, May	164
Strip Commission gets busy in Ohio, Nov.	152
Strip license bill in Illinois assembly, Apr.	160
Strip mines may be taxed, June	137
Strip mining suits filed in Pennsylvania, Oct.	154
Strip shovel repaired by boring rig, May	*122
Stripping employed to start recovery of 20,000 tons per acre, Hamill Coal, J. H. Edwards, Apr.	*94
Stripping future involves new fields and bigger equipment, Aug.	*101
Stripping improvements mark Rimmersburg expansion, Oct.	*93
Stripping project for Panther Valley, July	148
Stripping with fewer man-days (charts), May	105
Tenax-Tracer opens Dakota Star mine, May	*130
20,000 trees planted on Hudson strip land, June	168
25-yd. dragline to be used by Maumee Collieries strip mine, Apr.	154
West Virginia has new strip law, May.	140
Supplies—Supplies for higher efficiency, May	*87
Worn shaker pans make good bins, Nov.	*136
Surveys and surveying—Keeping transit in the section helps, Nov.	128
Wooden triangle saves transit work, Sept.	*126

T**Taxation**

Congress considers tax adjustment bill, July	131
Illinois strip tax vetoed, Aug.	146
N.C. tax committee meets, Oct.	164
Revenue Act of 1945 signed by President, Dec.	162
Trees as tax on Penna. bituminous, Oct.	160
Telephone booth, sound absorbing, July.	*124
Telephone mounted on door, June.	*132

Training

High schools to have coal mining courses, Oct.	166
Job Relations Training course used by 40 coal companies, May	140
Lebanon Valley trains men for work, Sept.	140
Mining taught in West Virginia vocational schools, S. T. De Journett, Apr.	*97
Pennsylvania towns to have the schools, Oct.	156
Pittsburgh Coal trains supervisors to help them in their work, R. E. Char-let, Apr.	*86
Saltus Coal establishes mining scholar-ships, Sept.	166

Transportation

Anthracite applications for new loading and transporting units, Sept.	*109
--	------

Big cars complete modernization of Maine mine, Sept.	*114
Car-loading dock dumps flat-bed coal trucks to two tracks, Jan.	*82
Car retarder adjusted with welding head, Sept.	*130
Clinchfield Ray, branch lines authorized, Oct.	170
Colorado rules for man-trip handling, Apr.	120
Converting locomotive controls from trolley supply to battery operation, Oct.	*130
Diesel locomotives show steady gain, Dec.	184
Dynamic braking cuts larry car brake-shoe replacements, Jan.	*80
Embargo on freight movement except for war purposes, Feb.	141
Feeder belts electrically interlocked to prevent overloading belt collecting from them, Apr.	*128
Fitting facilities bleeding hydraulic lines, July	*126
Gantry crane saves backaches, Aug.	*128
Gas turbines: coal's new railroad fuel opportunity, J. I. Yellott, Aug.	*113
Haulage-locomotive operation improved by better controls, B. Woodward, Jan.	*85
Haulage safety promoted by logic in eliminating hazards, Dec.	*110
Headblock and runaway switch form safety team, Apr.	*126
Hoist switches cars at car shop, Aug.	*130
Infra-red lamps keep engines warm, Jan.	*108
Lake Erie coal terminal planned, Aug.	160
Larry train solves Oak Hill refuse-disposal problem, R. R. Richart, Nov.	*103
Loader brake rigging modified for efficiency, Jan.	*110
Locomotive axle record proves helpful, Aug.	*130
Locomotive coal specifications discussed by Illinois Preparation Engineers, June	160
Locomotive gives operating tests without moving, Oct.	*131
Locomotives of the steam turbine type recently designed, Apr.	*136
Locomotive rebuilt, Aug.	*132
Locomotives resistances rebuilt with stainless steel, Dec.	*132
Locomotive stops when operative leaves it, Sept.	120
Locomotive with bulldozer cleans track, Oct.	*130
Locomotive wrench, Jan.	*108
Locomotives—coil springs and padded plates keep interpoles snug, Dec.	*128
Motor axle bearing cap redesigned, June	*130
New cars among haulage improvements at Arista, July	*124
Pennsylvania R.R.'s new turbine-driven locomotive, Jan.	*124
Power-driven sprayer used on haulage roads, Sept.	*128
Prefabricated track boosts loader tonnage at Norton Mine, Lindsay Cobb, Jan.	*89
Railers carried on side of locomotive, Nov.	*128
Rock larry carries its own supply of compressed air for dumping operation, May	*126
Serial number sticks with car, Apr.	*130
Shuttle-car battery boosted while working, Oct.	*124
Shuttle cars and belts raise efficiency at Bolair, J. H. Edwards, Aug.	*93
Shuttle-car endgate made removable, Aug.	*126
Shuttle-car gathering increases tonnage at Knox Consolidated Coal, Nov.	*88
Shuttle cars increase loader output in pitching coal, Nyman & Hyatt, June.	*93
Shuttle cars and loaders speed development at Oliver, Oliver & Richart, Sept.	*92
Shuttle-car operation discussed at A.I.M.E. meeting, Sept.	144
Skid remover also cuts haulage injuries, May	*126
Slides drop out automatically, Feb.	*136
Station for trolley tap, Feb.	*132
Straightening shuttle-car fenders easily done, July	*124
Synthetic tire and tube maintenance, L. H. Taylor, Sept.	*104
Tandem locomotives at Jenkins improved by hydraulic brakes, R. L. Blake, Mar.	*80
Track ballast of sandstone crushed in plant, Feb.	*138
Transportation with less manpower (charts), May	89
Trip retarder counterweight runs on hillside, Sept.	*126
Trolley clamps tightened by special wrench, Jan.	*112
Truck to carry supplies, made from car chassis, Nov.	*126
Turbine locomotive is a coal burner and coal hauler, Feb.	*96
Welded rail joints improved by back-up clips, Nov.	*124
Tri-County Cave Protective Assn.—Meeting urges mine cave bill, Jan.	150

Truck mines

Modern washery supplements stripping at new truck mine, F. W. Richart, Sept.	*97
Poplar-Elkhorn Coal Co. organized to develop large truck mines, June.	146
Synthetic tire and tube maintenance, L. H. Taylor, Sept.	*104

Turbines, gas—Coal for turning, Oct.	162
Gas turbines: coal's new railroad fuel opportunity, J. I. Yellott, Aug.	*113

U**United Mine Workers**

Anthracite pact approved by WLB; prices raised \$1 on domestic sizes, July	136
Anthracite strike settled with pay raise, June	137
Bituminous contract agreed on; some work stoppages continue, May.	129
Bituminous pact extended 30 days; WLB takes jurisdiction in case, Apr.	*133
Illinois joint board adjudicates disputes, Sept.	148
Lewis calls off supervisory strike until more appropriate date, Nov.	139
United Clerical, Technical and Supervisory Employees is part of union, May	132
United Mine Workers see also Labor	
United Nations Relief & Rehabilitation Administration to ship mining machinery to Europe, Sept.	137

Utilization

Bright outlook seen for coal utilization, July	138
Coal for gas turbines studied, Oct.	162
Fossil resins extracted from Utah coal, Dec.	184
Iowa home owners prefer coal heat, Oct.	174
Mining in Europe: wartime coal production and utilization, H. F. Yancey, Dec.	*115
Packaged fuel plant site selected, Feb.	174
Pelletizing process seen as promising, Nov.	164
Pigs eat coal, Oct.	*152
Railroad as a market for coal (c), Jan.	65
Ranks indoor climate with food and shelter, Nov.	146

V**Ventilation**

All side-entry air returns through goaf, Apr.	*118
Drying mine fires would create incredible gages if seals were tight, Sept.	118
Fan change-over time cut 80 percent, Mar.	*118
Fire in nearby working extinguished by using bad air in old goaf, Aug.	*118
Good air with less man-hours (charts), May	99
Measurement of air pressures, Oct.	*116
New mining and ventilating plan needed to increase safety, Richard McGee, Oct.	*100
One-way ventilations pros and cons, Jan.	*98
Pittsburgh Coal ventilation plan using goaf for return, Apr.	*118
Portable curtain speeds ventilation control, Oct.	*134
Sweeping irregular roof free of methane, Oct.	118
Three intakes provided to one return as air bypasses to a permanent bleeder over rock falls, Mar.	*104
Tidal air movement, Nov.	118
What to watch in exploring old works, June	*120
Winter air-conditioning of mines helps prevent coal-dust explosions, Nov.	116
Virginia Coal Operators' Association—Election of officers, June.	146

W

War Production Board—Mining Division takes old title, Dec.	169
---	-----

Waste Disposal

Anthracite engineers cite silt progress, June	148
Anthracite men face pollution charges, Nov.	146
Anti-pollution bill passes Pennsylvania House, Apr.	166

Welding

Better wheel welding achieved in hidden-arc process, Oct.	*97
Braces minimize casting warpage during welding, Sept.	*132
Bumpers repaired by welding, Oct.	*126
Car retarder adjusted with welding head, Sept.	*130
Journal boxes reconditioned by welding, Oct.	*132
Shaker trough support all-welded, Oct.	*132
Squaring the jaws of the sheave wheel clutch, May	124
Welding hose carried overhead on swinging boom, Feb.	*136
West Virginia Coal Mining Institute	
Election of officers, Jan.	130
Election of officers, Dec.	149
Report of meeting, Jan.	*128
Report of meeting, Dec.	149
Western Canada Bituminous Coal Operator's Association—Federal aid sought for West Canada coal, May.	156

MINE AND COMPANY INDEX

A

Mine and Company Index

Alabama Power Co.	
Gorgas mine employees to have model homes, Mar.	142
Allegheny River Mining Co.	
Postwar plans started, May.	154
Alta Coal Co.	
Checking men in speeded by special facilities at Summit, July.	*101
American Coal Co.	
Leases No. 3 Pocahontas, July.	131
Amigo Coal Co.	
Purchased by the Minter interests, Mar.	142
Atlantic Smokeless Coal Co.	
Controlling interest in Asco No. 1 mine purchased, July.	134

B

Bart, D. A. Co.	
Sells two mines to North American Coal Corp., Mar.	142
Beckenmeyer Coal & Mining Co.	
Scheduled to reopen, July.	132
Bell & Zoller Coal & Mining	
Additional leases made, Jan.	132
Loader brake rigging modified for efficiency, Jan.	*110
Big Sandy-Elkhorn Collieries	
Production records broken, Mar.	148
Blue Diamond Coal Co.	
First car shipped, Feb.	148
Path Fork mine capacity increased, July.	146
Bond Valley Coal Co.	
9 die in gassy mine, Feb.	172

C

Canadian Collieries to develop White Rapids mine, Apr.	140
Cherrytree Coal Co.	
Miner makes record of loading 17 tons daily, Mar.	140
Citizens Coal Mining Co.	
Mine A suspends, May.	168
Coast Fuel Co.	
Southport mine now open, June.	*142
Colcord Coal Co.	
Company is dissolved, Feb.	166
Colorado Fuel & Iron Corp.	
Frederick mine wins Governor's cup, Sept.	138
Officers elected, Feb.	168
Consolidated Coal Co.	
Stoker drive adjustment made easy, Jan.	*112
Consolidation Coal Co.	
Merger with Pittsburgh Coal Co. advancing, June.	150
Merger with Pittsburgh Coal Co., Dec.	162
Tandem locomotives at Jenkins improved by hydraulic brakes, R. L. Blake, Mar.	*80
To merge with Pittsburgh Coal Co., Mar.	140
Crucible Fuel Co.	
Mine collapse kills 5, Apr.	140

D

D & F Coal Co.	
New breaker completed, Mar.	144
DePuy Coal Co.	
Organized, Feb.	148
Diamond Coal Mining Co.	
No. 2B mine built around previous conveyor success, J. H. Edwards, Jan.	*71

E

Eastern Coal Corp.	
First-aid contest in Kentucky award, Oct.	146
Locomotive with bulldozer cleans track, Oct.	*130
Shakers at Stone operated to eliminate handling of bone, T. H. Booth, June	*108
Echeta Coal Co.	
New mine running near capacity, Apr.	140
Elk Horn Coal Corp.	
Receiver named, Nov.	164

F

Forsyth Cartersville Coal Co.	
Purchases Sparta mine, Apr.	142
Freeman Coal Mining Corp.	
Modernization includes hydraulic transfer station, F. W. Richart, June.	*112
Power-driven sprayer used on haulage roads, Sept.	*128
Rebuilding returns locomotive to service, Aug.	*132

G

Gallup American Coal Co.	
Ganero mine reopened, May.	166
Ganero mine to be closed, Apr.	142
Giron & Fugate Coal Corp.	
Fire loss at Hickory mine, Aug.	164
Giuliano & Sons Coal Co.	
Cedar Canon mine leads state in safety, Apr.	142
Glen Alden Coal Co.	
Asks cut in assessed value, May.	166
Valuation for taxes reduced, June.	162

Greenwood mines

Equipment installed for stripping project, July.	148
Guess River Coal Co.	
New coal operation started, Jan.	132
Gulf Mobile & Ohio R.R.	
Sparta mine sold, Apr.	142
Guyan Eagle Coal Co.	
Dogs and angles on strands protect apron conveyors, Jan.	*114

H

Hamil Coal Corp.	
Stripping employed to start recovery of 20,000 tons per acre, J. H. Edwards, Apr.	*94
Hanna Coal Co.	
Dun Glen's fire equipment always ready, Jan.	*114
Harlan field	
L & N line to open new field, July.	152
Harlan Central Coal Co.—modified long-wall cuts top trouble and boosts efficiency, J. H. Edwards, Dec.	*107
Hault Coal Co.	
Low-water indication stops pump, Feb.	*134
Homestead Coal Co.	
L & N builds spur track to serve company, Nov.	154
Hudson Coal Co.	
Air compressor's water kept from freezing by draining, Mar.	*120
Air hoist helps cage rails and timbers, Apr.	*126
Cutting cost in anthracite preparation maintenance, J. S. Johnson, Mar.	*83
Fan change-over time cut 80 percent, Mar.	*118
Headblock and runaway switch form safety team, Apr.	*126
New rock-disposal method saves manpower, May.	*126
Serial number sticks with car, Apr.	*130
Shakers and scrapers meet Loree mining, manpower problems, R. R. Richart, Apr.	*101
Staff changes, Feb.	171
20,000 trees planted on strip land, June	168

I

Island Creek Co.	
Executive promoted, Feb.	*142

J

Jeddo-Highland Coal Co.	
Gage measures pressure in air hose, Oct.	*128
Hoist switches cars at car shop, Aug.	*130
Inclined horses replace jacks, June.	*134
Machine speeds output of car sills, June	*132
Mine bearings make live center for lathe, June.	*134
Portable metal saw roams machine shop, July.	*120
Tenon machine makes better car braces, June.	*130
Jewell Ridge Coal Corp.	
Hard sandstone from inside crushed for ballast, Feb.	*138
Portal-to-portal case heard by Supreme Court, Apr.	152
Portal-to-portal case rehearing denied, July.	140
Portal-to-portal pay upheld by Supreme Court, June.	144
Jones Coal Corp.	
Fire destroys breaker, Jan.	160
Jones, Earl J. coal development under way, Feb.	144

K

Knox Consolidated Coal Corp.	
Fitting facilitates bleeding hydraulic lines, July.	*126
Scored air-breaker tube walls refinished, Aug.	*126
Shuttle-car endgate made removable, Aug.	*126
Straightening shuttle-car fenders easily done, July.	*124
Tonnage raised by adoption of shuttle-car gathering, Nov.	*88
Truck to carry supplies, made from car chassis, Nov.	*126
Koppers Coal Div.	
All side-entry air returns through goaf, Apr.	*118
Glen White mine closed, July.	132
Loads sprinkled on the fly without waste of water, Feb.	*119
Service pins given to certain employees, Apr.	140
Staff changes, Feb.	144
Tenth summer camps to open, June.	168
Ventilation sweeps goaf and faces, Mar.	*104

L

Leckie Collieries Co.	
Freeburn mine tippie burns, May.	154
Lehigh Navigation Coal Co.	
Blasting machines repaired periodically, Nov.	*134
Labeling crane controls saves confusion, Nov.	*133
Lamp batteries repaired at central shop, Dec.	*132

New aggregate plant under way, Apr.	164
Testing insulation strength of electrical equipment, Dec.	*120
Tires turned simultaneously, Dec.	*126
Lehigh Valley Coal Co.	
Brace minimize casting warpage during welding, Sept.	*132
Cutting flame tempers chain link, Nov.	*128
Franklin colliery operated again, Mar.	144
Locomotive axle record proves helping, Aug.	*130
Maltby colliery to be pumped, Jan.	132
Metal inserts hold center marks, June.	*120
Motor axle bearing cap redesigned, June	*120
Paint aids motor installation, July.	*120
Pins hold split gears central-save planning, Sept.	*134
Safety lamp mix-ups avoided, June.	*128
Scrap steel improves swivel jack, Oct.	*134
Shakers and belts permit Ross vein mining at Westmoreland, R. R. Richart, July.	*96
Telephone serves shop from shop partition, June.	*132
Training men for work, Sept.	140
Training program endorsed by Bureau of Mines, Oct.	156
Welding reconditions journal boxes, Oct.	*132
Lorain Coal & Dock Co.	
Egg cars complete modernization of Blaine mine, Sept.	*114
Low Ash Coal Co.	
Car-loading dock dumps flat-bed coal trucks to two trucks, Jan.	*82

M

M & S Coal Co.	
Officials fined for safety violations, May.	168
Mahan-Cheely Coal Co.	
Merges with Mahan-Edison Coal Corp., Mar.	158
Mallory Coal Co.	
To be operated under the name of Stallings Coal Co., Jan.	132
Maryland Coal & Coke Co.	
Now sales agent for the Century mine, Mar.	142
Maumee Collieries Co.	
New strip mine to use 25-yd. dragline, Apr.	154
New stripper to use dragline, May.	142
Mead, C. H. Coal Co.	
Compensation denied striking foremen, Nov.	144
Minter Fuel Co.	
Purchases Amigo Coal Co., Mar.	142
Moss-Williams Coal Co.	
Buys Royce-Kershaw Coal Co., Apr.	138

N

New River Co.	
Locomotive wrench, Jan.	*108
Special equipment speeds drill repairs, Apr.	*130
Stanford mines purchased, Feb.	146
Stripping under way on Sewell seam outcrop, J. H. Edwards, Feb.	109
Wrench tightens clamps under guards, Jan.	*112
North American Coal Corp.	
Buy two mines from D. A. Bart Co., Mar.	142
Northern Illinois Coal Corp.	
Air-driven tools occupy special rack, Oct.	*136
Gantry crane saves backaches, Aug.	*128
Northwest Coal Co.	
Completing new breaker, Mar.	144
Northwestern Illinois Coal Corp.	
Modern washery supplements stripping at new truck mine, F. W. Richart, Sept.	*97
Norton Coal Corp.	
Prefabricated track boosts loader tonnage, Lindsay Cobb, Jan.	*89

O

Old Ben Coal Corp.	
Prepares to resume production, May.	138
To sink new shaft, July.	131
Old Mine Co.	
Leases mine of Pana Mines Corp., Nov.	158
Oldroyd Coal Co.	
Mine rebuilt, June.	158
New tippie construction started, Apr.	140
Tippie destroyed by fire, Mar.	150
Oliver Coal Co.	
Blocks season better underground, Sept.	*130
Loaders and shuttle cars speed development at new mine, Oliver & Richart, Sept.	*92
Portable curtain speeds ventilation control, Oct.	*134
Tester speeds electrical maintenance, Sept.	*130
Welding head helps retarder to function, Sept.	*130
Wooden triangle saves transit work, Sept.	*126

P

Panhandle Eastern Pipeline Co.	
Receives certificate, May.	140
Pardee & Curtin Lumber Co.	
No waste space in oil house at Bohar, Aug.	*126

Shuttle
at Bo
Peabody
Majest
Peerless
Machin
raises
Oct.
Pennsylv
Employ
Mar.
Perry Co
Liberty
Philadel
Flood
mine.
Four v
to ge
Dec.
Larry
posab
St. Ni
pump
Urges
Nov.
Pittsbu
Back-u
Joint
Guides
Helphi
in m
Load
fitti
Loadi
Locom
out
Merg
Dec
Push
hoi
Rock
pur
To fl
To m
Ma
Univ
tim
Venti
Ap
Pittsbu
tak
Pocaho
Buys
Pond
Box
W.
Doub
Sep
Poplar
Com
tru

Shuttle cars and belts raise efficiency at Belair, J. H. Edwards, Aug.	*93
Peabody mine sets record, Mar.	126
Peerless Darby Coal Co. Machine loading—taking top and coal raises entry output. J. H. Edwards, Oct.	*88
Pennsylvania Coal Co. Employer-management forum set up, Mar.	146
Perry Coal Co. Liberty mine closed, July.	132
Philadelphia & Reading Coal & Iron Co. Flood quenches fire in Knickerbocker mine, Apr.	142
Four veins stripped in 25-ft. benches to get 2,200 tons daily, R. R. Richart, Dec.	*96
Larry train solves Oak Hill refuse-disposal problem, R. R. Richart, Nov.	*103
St. Nicholas mine to have two new pumping plants, July.	146
Urges miners to boost anthracite output, Nov.	146
Pittsburgh Coal Co. Back-up clips improve welded rail joints, Nov.	*124
Better hinge bolt improves loader performance, Dec.	*138
Better wheel welding achieved with hidden-arc process, Oct.	*97
Blood plasma used in mine injury case, Apr.	142
Car bale jig saves time and promotes accuracy, Nov.	*133
Cleaner cheapens borehole cleaning, Feb.	*132
Coal drilling equipment made stronger, Dec.	*128
Gate in hydro-separator saves coal from refuse, Oct.	*128
Guides oiled automatically, Mar.	116
Helping the supervisor in his key job in mining, R. E. Charlier, Apr.	*86
Loader greasing changed by moving fittings, Nov.	*136
Loading machine roller rebuilt, Dec.	*134
Locomotives given operating tests without moving, Oct.	*134
Merger with Consolidation Coal Co., Dec.	162
Pushbutton-controlled switches protect hoist and car sprayer, Mar.	116
Rock drill, air and small tank eliminate pump, Nov.	*134
To fight OPA suit, Sept.	156
To merge with Consolidation Coal Co., Mar.	140
Universal holder for boring mill saves time and tools, Dec.	*140
Ventilation plan using goaf for return, Apr.	*118
Pittsburgh Consolidation Coal Co.—Merger takes effect, Dec.	162
Pocahontas Fuel Co. Buys large timber tract, Apr.	140
Pond River Collieries Box cut yields 2,000 tons per day, F. W. Richart, Mar.	*74
Double drill unit mounted on tractor, Sept.	*132
Poplar-Elkhorn Coal Co. Company organized to develop large truck mines, June.	146

Puritan Coal Corp. Ohio group buys company, July.	146
Thacker mines sold to Lando owners, Aug.	164

R

Radium mine, Belleville, Ill. To be reopened, Jan.	132
Raleigh Coal & Coke Co. Welding hose carried overhead on swinging boom, Feb.	136
Raven Run Coal Co. Compressed-air layout anticipates future demands, William & Smith, Aug.	*106
Republic Steel Corp. Mine bearings make live center for lathe, June	*134
New mine in Kentucky planned for complete mechanical operation, J. H. Edwards, July.	*86
Portable powder boxes made with brick walls, July.	*126
Russellton mine wins first "S" award, Sept.	*138
Sectionalizing hydraulic lines a saving, May	122
Telephone booth, sound absorbing, July.	*124
Rimersburg Coal Co. Stripping improvements mark expansion program, Oct.	*93
Rocky Mountain Fuel Co. Industrial mine abandoned, July.	132
Royce-Kershaw Coal Co. Bought by Moss-Williams Coal Co., Apr.	138

S

Sahara Coal Co. Establishes mining scholarship, Sept. ..	166
Schuyler Coal Co. Buys farm tract, Aug.	166
Sentry Coal Mining Co. Boring rig speeds repairs to strip shovel, May	*122
Sizemore Mining Co. Conveyor efficiency raised by self-propelled drives, M. J. Reed, Jan.	*92
Standard Mining & Converters Corp. Ships first coal, Aug.	164
Stonega Coke & Coal Co. Coal-for-Victory awards won, Aug.	*138
Work starts on new Harlan highway, Aug.	146
Susquehanna Collieries Co. Dines personnel, May.	168
Dynamic braking cuts brake-shoe replacements on larry car, Jan.	*80

T

Tennessee Coal, Iron & Railroad Co. New mine in Concord to open, Oct.	144
Tennessee Products Co. Reel's Cove mine opened, July.	140
Tri-State Coal Co. Keystone mine to be closed, Apr.	140
Truax-Traer Coal Co. Buys riverfront tract, Aug.	164
Dakota Star mine opened, May.	*130

Slurry plant uses vibrating screen for dewatering, Mar.	*95
--	-----

U

Union Colliery Co. Construction work proceeding, Nov.	158
Skid remover also cuts haulage injuries, May	*126
Special pipe solves bad water condition, Aug.	128
To close Kathleen shaft and open new coal field, Oct.	144
United Electric Coal Co. New strip shovel, June.	*146
Union Pacific Coal Co. Cut-off saw made safe, Dec.	*132
Electronic relay signals fan trouble, Dec.	*138
Hydraulic ram plays big role in shops, Nov.	*130
Mine to be named Geo. B. Pryde, Jan.	132
Modern shops meet maintenance need, Nov.	*97
New trough support to last longer, Oct.	*132
Rerailers carried on side of locomotive, Nov.	*128
32-volt control cures braking trouble, Oct.	*130
Two steel cables support borehole cable, Dec.	*136
Welded patches prolong bumper life, Oct.	*126
Worn pans make good bins, Nov.	*136
United States Coal & Coke Co.—Opens new coal operation, Dec.	*146
Utah Fuel Co. Explosion kills 23, June.	164
Shuttle cars increase loader output in pitching coal, Nyman & Hyatt, June	*93

W

West Canadian Collieries, Ltd. Mine fire fought with dry ice, bulldozers and rock dust, J. H. Brusset, Mar. ..	*97
West Kentucky Coal Co. Belt system serves North Diamond shuttle-car mine, R. R. Richart, Apr.	*112
Dummy-making time shortened, Apr.	*130
East Diamond mine begins operations, Nov.	158
Feeder belts can't overload main belt, Apr.	*128
Sign labels and directs, Mar.	*116
Weyanoke Coal & Coke Co. Motor of portable dump runs both hoist and truck, July.	*128
New cars among haulage improvements at Arista, July.	*124
Pit cover conveniently moved off in one piece, July.	*122
Power washer for shop uses discarded parts, July.	*128
Three speeds and cooling added to drill press, Sept.	*134
Trip retarder counterweight runs on hillside, Sept.	*126
Wheeling Township Coal Co. Win first-aid contest, Aug.	150
Wyatt Coal Co. Slides drop out automatically, Feb.	*136

AUTHOR'S INDEX

- A**DAMS, W. W., More coal mined in 1944 with fewer accidents, Feb. 107
- Anderson, R. L. & W. H. Young, Sales of mechanical loading and cleaning equipment, Feb. 104
- Tons-per-man record proves worth of mechanical coal loading, June. 101
- B**ARLOW, Paul M., Good grounding protects men and equipment in mining, Jan. 94
- Blake, R. L., Hydraulic brakes improve tandem locomotives at Jenkins, Mar. 89
- Booth, Thomas H., Shakers at Stone operated to eliminate handling of bone, June. 108
- Brusset, J. H., Mine fire fought with dry ice, bulldozers and rock dust, Mar. 97
- C**HARLIER, R. E., Helping the supervisor in his key job in mining, Apr. 86
- Cobb, Lindsay, Prefabricated track boosts loader tonnage at Norton Mine, Jan. 89
- Cree, J. C., Power use in hand loading and mechanical mining, Jan. 79
- D**EJOURNETT, S. T., Today's school helps turn out the miners of tomorrow, Apr. 97
- Dickerson, J. H., Designing a mine for maximum efficiency in production, Feb. 121
- E**DWARDS, J. H., Diamond 2B built around previous conveyor success, Jan. 71
- Machine loading—taking top and coal raises entry output, Oct. 88
- Modified longwall cuts top trouble and boosts efficiency, Dec. 107
- New Republic mine produces and prepares coal mechanically, July. 86
- New River stripping under way on 75-mile Sewell seam outeron, Feb. 109
- Shuttle cars and belts raise efficiency at Bolair, Aug. 93
- Stripping employed to start recovery of 20,000 tons per acre, Apr. 94
- F**OSTER, J. J., Employee relations call for increasingly careful handling, Jan. 76

- G**IBSON, D. L., How to clean electric motors, windings and insulation, Oct. 111
- Given, Ivan A., Contract negotiation: problem and opportunity for coal, Feb. 92
- Given, Ivan A. & J. R. Sutphen, Can coal mining guarantee annual wages? Aug. 86
- H**EIGIS, H. E., Carbon-dioxide frost circumvented, Jan. 100
- Hoover, D. S., Protecting bearings against wear induced by shaft currents, Aug. 115
- Hyatt, Wesley & Fritz Nyman, Shuttle cars increase loader output in pitching coal, June. 93
- J**OHNSON, John S., Cutting cost in anthracite preparation maintenance, Mar. 83
- M**ATHER, Joseph V., Preventing premature blasts in electrical firing, Mar. 112
- McGee, Richard, Increased safety goal in new mining and ventilating plan, Oct. 100
- McNeil, Jno. C., Machine methods promote efficiency in mine accounting, Nov. 109
- Monthly cost data made more usable in consolidated report, July. 104
- N**YMAN, Fritz & Wesley Hyatt, Shuttle cars increase loader output in pitching coal, June. 93
- O**LIVER, R. C., R. R. Richart, Loaders and shuttle cars speed development at Oliver, Sept. 92
- P**OTTER, C. J., Coal in Europe: serious shortage reflects production lag, Oct. 102
- R**EED, M. K., Conveyor efficiency raised by making drives self-propelling, Jan. 92
- Richart, Fred W., Box cut yields 2,000 tons per day at Pond River, Mar. 74
- Design and materials help cut cost of preparation maintenance, June. 96
- Freeman modernization includes transfer station, June. 112

- Getting results in maintaining coal-preparation plants pt 1, Oct. 105, pt 2, Nov. 90, pt 3, Dec. 101
- Modern washery supplements stripping at new truck mine, Sept. 97
- Setting up maintenance for maximum preparation results, Aug. 108
- Richart, Ralph R., Belt system serves North Diamond shuttle-car mine, Apr. 112
- Four veins stripped in 25 ft. benches to get 2,200 tons daily, Dec. 96
- Larry train solves Oak Hill refuse-disposal problem, Nov. 103
- Good face voltage assures efficient production at low cost, Apr. 106
- Shakers and belts permit Ross-vein mining at Westmoreland, July. 96
- Shakers and scrapers meet Loree mining manpower problems, Apr. 101
- Richart, R. E. & R. C. Oliver, Loaders and shuttle cars speed development at Oliver, Sept. 92
- Roeser, Harry M., How to weigh for accuracy in mine-scale operation, Feb. 111
- S**MITH, Gordon E. & W. B. Williams, Compressed-air layout anticipates future demands, Aug. 106
- Sutphen, James R. & I. A. Given, Can coal mining guarantee annual wages? Aug. 86
- T**AYLOR, L. H., How to maintain synthetic tires and tubes in coal mining, Sept. 104
- W**ILLIAMS, Walter B. & G. E. Smith, Compressed-air layout anticipates future demands, Aug. 106
- Williams, Whiting, How to gain miner cooperation, Dec. 88
- Woodward, B., Better controls improve haulage-locomotive operation, Jan. 85
- Y**ANCEY, H. F., Mining in Europe: wartime coal production and utilization, Dec. 115
- Yellott, J. I., Gas turbine: coal's new railroad fuel opportunity, Aug. 113
- Young, W. H. & R. L. Anderson, Sales of mechanical loading and cleaning equipment, Feb. 104
- Tons-per-man record proves worth of mechanical coal loading, June. 101